

Coastal Ocean Research and Monitoring Program (CORMP) Summary

Project Name: Coastal Ocean Research and Monitoring Program

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Recipient Institution: University of North Carolina Wilmington

Funding Amount Requested: \$413,196

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Brief Project Summary: CORMP was initiated as a research and observation program focusing on the collection of data applicable to physical and ecological predictive models, fisheries sustainability, and habitat quality. CORMP consists of four focus areas: Ocean Observations, Data Management, Ecosystem Research and Modeling, and Outreach and Education that operate synergistically to: 1) provide a regional hub (SE US) in a national observing system; 2) collect and disseminate physical and ecological data; and 3) engage regional partners, stakeholders and end-users in the development and implementation of a sustainable coastal-ocean observing program. CORMP capitalizes on a combination of instrumented moorings, remote sensing and ecosystem models, and traditional ship-based observations to establish baseline conditions, identify responses to stochastic events, predict and verify long-term trends and identify linkages among coastal ocean ecosystem components. The information collected by CORMP helps researchers determine a mechanistic understanding of factors affecting productivity in the coastal ocean in the region and provides information that can be and is directly used in local-to-federal fisheries management. Further, information collected by CORMP will be used by partner organizations to provide a real-time forecasting and now-casting system that enhances the prediction of conditions in the coastal ocean.

Partners: US Marine Corps (USMC) at Camp Lejeune, National Weather Service (NWS), US Army Corps of Engineers (USACE) Wilmington District, National Undersea Research Center at UNCW, NOAA/NOS Center for Coastal Assessment and Monitoring, NC Division of Marine Fisheries, Carolina Coastal Ocean Observing Program (Caro-COOPS), SE-COSEE, NOAA/NMFS/Rutgers CMER Atlantic Bluefish Program, Coastal Climatology Survey Program (NOAA/CSC Climatic Data Center), Sea-COOS (CORMP is affiliate member), National Data Buoy Center (NDBC), SECOORA.